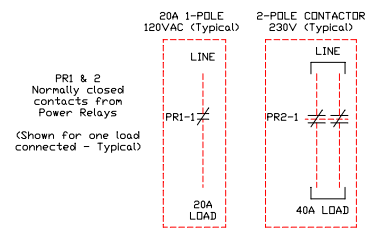


Expansion Remote Relay Panels can be installed. Sample wiring is shown below, each configuration is specific to each controller and Remote Relay Panel(s) installed, example is shown.

- Input Signal Designations**
- 100: Frequency Sense Input (used with frequency sense model)
  - 101: Pre-Transfer/Transfer Switch Signal (closes on pre-transfer or transfer)
  - 102: Generator Auxiliary Run Relay (closes on run)
  - 103: Generator Power Signal (optional - use w/o generator run signal)
  - 104: Normal/Utility Power Signal or Load Control Signal (closes on normal/utility power present or opens on load control signal)
  - 105: Generator Auxiliary Fault Signal (optional - closes on fault)

**LOAD CONNECTIONS (TYPICAL)**



- COLOR CODING AND MARKING Wires OF Wires**
- <BK> Black - Used for power circuits.
  - <RD> Red - Used for AC control circuits.
  - <BL> Blue - Used for DC control circuits.
  - <WH> White - Used for AC neutral conductor.
  - <GR> Green - (With or without yellow stripes). Used for equipment grounding conductors, normally, not carrying current, other than fault current.
  - <GY> Gray - Used for DC neutral.
  - <BR> Brown
  - <DR> Orange

- NOTES**
1. ALL WIRING TO BE: MTW #16, UNLESS OTHERWISE SPECIFIED. MTW PROVIDES ADDED FLEXIBILITY FOR INSTALLATION. COMMON WIRING PRACTICES RECOMMEND RUNNING AT LEAST 5% EXTRA CONDUCTORS PER CONDUIT RUN, UNLESS THE NUMBER OF CONDUCTORS ARE LESS OR EQUAL TO 6 CONDUCTORS PER CONDUIT RUN WHERE AT LEAST ONE (1) EXTRA CONDUCTOR SHOULD BE PROVIDED. <14.RD> I DESIGNATES THE CONDUCTOR COLOR & SIZE, ALL CONDUCTORS TO BE OF MTW TYPE AND GAUGE. CONDUCTOR SIZE IS SHOWN IN A.W.G. (AMERICAN WIRE GAUGE) VALUES.
  2. CUSTOMER RUN WIRING IS SHOWN IN HIDDEN LINES: - - - - -
  3. EACH CONDUIT RUN FROM EACH SEPARATE CABINET TO CONTAIN ONE (1) THIN GREEN GROUND WIRE. BOTH ENDS OF THIS WIRE TO BE CORRECTLY TERMINATED BY ATTACHING TO A SUITABLE GROUND POINT FREE OF ANY PAINT AT THE POINT OF CONTACT.
  4. CUSTOMER TO PROVIDE A GOOD ELECTRICAL GROUND CONNECTION AT THE SITE AND THE SAME CONNECTED TO THE EQUIPMENT PROVIDING A GOOD ELECTRICAL GROUND AT THE POINT OF CONTACT WITH THE EQUIPMENT BEING GROUNDED.